

# **Central Valley Floodplain Evaluation and Delineation Program (CVFED)**

# Purpose for Presentation

To inform the Central Valley Flood Protection Board about the proposed mapping schedule for adoption at the December 2008 meeting.

# Legislative Mandate

Water Code 8612. (a) On or before December 31, 2008, the department shall prepare, and the board shall adopt, a schedule for mapping areas at risk of flooding in the Sacramento River and San Joaquin River drainage.

(b) The department shall update the schedule annually and shall present the updated schedule to the board for adoption on or before December 31 of each year. The update shall include the status of mapping in progress and an estimated time of completion. The schedule shall be based on the present and expected future risk of flooding and associated consequences.

# CVFED Structure

CVFED is a component program under Central Valley Flood Management Planning (CVFMP)

- CVFMP Portfolio Manager – Ken Kirby
- CVFED Program Supervisor – Tom Christensen
- CVFED Functional Manager – Ricardo Pineda

# CVFED Contract Support

## AEC Technical Team:

- PBS&J, Program Management
- CH2M-Hill, Upper Sacramento Valley
- Wood Rodgers, Lower Sacramento Valley
- RBF, Upper San Joaquin Valley
- HDR, Lower San Joaquin Valley

# State Plan of Flood Control Proposed Mapping Schedule

Activity	Completion
<i>Topography</i>	<i>June 2009</i>
<i>Hydrology</i>	<i>June 2010</i>
<i>Riverine Hydraulics</i>	<i>June 2010</i>
<i>Floodplain Models</i>	<i>January 2011</i>
<i>Draft Floodplain Delineation</i>	<i>July 2011</i>
<i>Final Floodplain Delineation</i>	<i>December 2011</i>

# CVFED Mapping Priorities

1. Delineate 500-year (0.2% annual chance) floodplains for Sacramento and San Joaquin River Basins:
  - Focus on State Plan of Flood Control and urban areas outside of SPFC
  - Need to incorporate these floodplains on FEMA FIRMs
  - Defines areas required under Government Code 65007 (SB 5)

## CVFED Mapping Priorities (Cont'd)

2. Identify and rectify differences between FEMA 100-year (1% annual chance) floodplain maps and DWR Best Available Maps (BAM)



# CVFED Mapping Priorities (Cont'd)

## 3. Detailed State Plan of Flood Control floodplain studies:

Evaluations to support planning for system improvements for 10-year (10%), 50-year (2%), 100-year (1%), 200-year (0.5%), and 500-year (0.2%) flood events

# CVFED Mapping Priorities (Cont'd)

## 4. 200-year flood events:

- Support implementation for providing urban level of flood protection
- Support implementation of new building code standards

# CVFED Mapping Priorities (Cont'd)

## 5. Levee Flood Protection Zones (LFPZ):

- LFPZ maps will provide new information about potential flood risk
- Flood risk data will be updated consistent with the development of new SPFC floodplain evaluations
- Refinement of LFPZ boundaries may occur, as necessary, pending new data

# CVFED Mapping Priorities (Cont'd)

## 6. FEMA National Flood Insurance Program:

- As a CTP, coordinate technical mapping support activities
- As detailed technical data is produced, provide to FEMA for inclusion on their Digital Flood Insurance Rate Maps (DFIRMs)

# Questions?

## THANK YOU

Ricardo Pineda, Chief  
Floodplain Management Branch